

20000921.qrp v01_n951.qrl.20000921

Date: Thu, 21 Sep 2000 19:03:14 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1951

QRP-L Digest 1951

Topics covered in this issue include:

- 1) [79975] RE: [79917] Mono band Qrp rig Quest.
by "Joe Malloy" <jmalloy@hamilton.edu>
- 2) [79976] Qualcomm Power Supply
by Brian Chesire <BCChesire@worldnet.att.net>
- 3) [79977] Re: What's the best book on filter design?
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 4) [79978] Third leg of Milliwatt Triple Crown Awards
by "John Burnley" <burnleyia@home.com>
- 5) [79979] Running of the QRP Bulls
by Randy Foltz <rfoltz@turbonet.com>
- 6) [79980] Re: Update Joy In Yankee Country...
by SKIPNC90@aol.com
- 7) [79981] Re: What's the best book on filter design?
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 8) [79982] Re: What's the best book on filter design?
by neil <neil@aaade.com>
- 9) [79983] PSK 31 ON 80 METERS
by hamjoel@juno.com
- 10) [79984] Source for Zverev Filter Book
by Jeremy Cooper <jeremy@baymoo.org>
- 11) [79985] Re: Ramsey 40m receiver kit
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 12) [79986] Re: What's the best book on filter design?
by Thomas Kuehl <ac7a@gci-net.com>
- 13) [79987] re: Resonance (?)
by Bill Stietenroth <k5zty@juno.com>
- 14) [79988] GDO Frequency Readout = SST, DSW40 etc.
by aweiss@usd.edu (Ade Weiss W0RSP)
- 15) [79989] Very cool QRPp issue!
by "George Heron N2APB" <n2apb@erols.com>
- 16) [79990] SLC Orders
by Jeff Grudin <grudin@vdb.com>
- 17) [79991] Re: What's the best book on filter design?
by "John Moriarity" <k6qq@hdo.net>
- 18) [79992] Re: Resonance (?) and GDO's
by "John Moriarity" <k6qq@hdo.net>
- 19) [79993] Re: [NJQRP] Very cool QRPp issue!

- by "Doug Hendricks" <ki6ds@hotmail.com>
- 20) [79994] Re: Source for Zverev Filter Book
by "Leon Heller" <leon_heller@hotmail.com>
- 21) [79995] re: resonance
by neil tanner <ntan@crosslink.net>
- 22) [79996] Re: OT:? Tie Wrap Colors
by "Robert Roach" <ke4qok@worldnet.att.net>
- 23) [79997] re: reonance
by n2cx@voicenet.com
- 24) [79998] qrp-l number
by "Hans Kaper" <hanskap@kaper-1.tmfweb.nl>
- 25) [79999] HW-9 and PSA-9 power supply for sale
by "Marty Purselley" <brewer@flash.net>
- 26) [80000] Re:GDO
by "Juan Ferrari" <puntrad@usa.net>
- 27) [80001] Re: Very cool QRPp issue!
by "Steve/n0tu" <n0tu@webaccess.net>
- 28) [80002] Results of the SEPTEMBER SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
- 29) [80003] RE: Resonance (?) and GDO's
by "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
- 30) [80004] RE: Resonance (?)
by "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
- 31) [80005] WTB: "old style" Bannana Plugs.
by WB9MII@aol.com
- 32) [80006] WTB - dual banana plugs
by M Goins <mgoins@usa.net>
- 33) [80007] Price for Ten-Tec Triton 544/252G P/S?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 34) [80008] Specialized new list announcement.....
by GElam30092@aol.com
- 35) [80009] Triton 544 = *NO* WARC bands
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 36) [80010] Re: What's the best book on filter design?
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 37) [80011] Re: What's the best book on filter design?
by neil <neil@aade.com>
- 38) [80012] QRPacificon: Dan Tayloe, N7VE QRP Forum Speaker
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 39) [80013] Re: What's the best book on filter design?
by "George, W5YR" <w5yr@att.net>
- 40) [80014] HF Station for sale \$350.00
by "CDF" <res043pa@gte.net>
- 41) [80015] CONTEST: QRP Contesting - Sept 23/24
by Ken Newman <N2CQ@citnet.com>
- 42) [80016] N3EPA QRP Afield Entry
by "Ron Polityka" <wb3aal@fast.net>
- 43) [80017] RE: GDO's

- by "Ed Tanton" <n4xy@att.net>
- 44) [80018] need Pixie sked tonight
by John Wagner <john@neknetwork.com>
- 45) [80019] FW: A Whale of a Sunspot
by "Ed Tanton" <n4xy@att.net>
- 46) [80020] Re: QRPacificon: Dan Tayloe, N7VE QRP Forum Speaker
by "Bruce Kizerian" <kizerian@ced.utah.edu>
- 47) [80021] RE HF rig for sale
by "CDF" <res043pa@gte.net>
- 48) [80022] OT: Service manual for IFR-1000
by "Steven Weber" <kd1jv@moose.ncia.net>
- 49) [80023] Re: What's the best book on filter design?
by "John Moriarity" <k6qq@hdo.net>
- 50) [80024] Re: Price for Ten-Tec Triton 544/252G P/S?
by "Paul R. Valko" <prvalko@oakland.edu>

Date: Wed, 20 Sep 2000 19:25:34 -0400
From: "Joe Malloy" <jmalloy@hamilton.edu>
To: <qrp-l@Lehigh.EDU>
Subject: [79975] RE: [79917] Mono band Qrp rig Quest.
Message-ID: <000201c0235a\$134c4c10\$a947eed8@mozart>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You've probably gotten many an answer, Tim, but my \$.02 worth is this: the Ten-Tec 1330, the 30 meter version, is a good radio and worthy of consideration; I suspect the 40 meter version is, too. I've got the 1330, it was the second kit I built after a many year absence from kit-building, and it performed just as it was supposed to from the first time I applied power. My only reservations about the kit are minor: it's not the most selective transceiver (perhaps I just got a bunch of bum crystals) and it's not exactly a lightweight -- the housing is all steel and in holds within it a separate steel chassis...this thing's going to survive me, no doubt about it! But in the absence of the DSW series (which I hope and pray will somehow return), this is a perfectly fine kit. Selectivity isn't as great an issue of 30m as on 40m anyhow. You won't go wrong with it (assuming you're not going to backpack it!).

72,

Joe, W2RBA

included message

Back at the beginning of the year I posed a question about the tentec mono band qrp rigs. The feedback that I recieved seemed to indicate that the 20 meter rig had some problems, but the 30 and 40 meter rigs were ok. Its many months later and for many reasons have been inactive. I'm once again considering a mono band rig. Questions: What do the readers on the list recommend as far as brand? Also what would be a good band to start with?

Thanks,

Tim

Date: Wed, 20 Sep 2000 16:45:04 -0700
From: Brian Chesire <BCChesire@worldnet.att.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79976] Qualcom Power Supply
Message-ID: <39C94C00.FFA1F7CE@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To who ever posted the mod data for the Qualcom 12V/2.5A power supply. Please send me the data, direct. The day after I ordered one from ALL, my ever trusty copmuter died, and I haven't recovered the files of the hard disk yet.

Thanks

Brian WA5PP0

Tucson, AZ

Date: Wed, 20 Sep 2000 19:54:14 -0400
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: neil@aaade.com
Cc: qrp-l@lehigh.edu
Subject: [79977] Re: What's the best book on filter design?
Message-ID: <5.0.0.25.1.20000920195250.00a22260@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:25 PM 9/20/00 -0700, you wrote:

>The very best book on filter design is:

>

>Handbook of FILTER SYNTHESIS

>Anatol I. Zverev

>John Wiley & Sons

>

>but hard to find.

>

>Next best is

>

>ELECTRONIC FILTER DESIGN HANDBOOK

>Arthur B. Williams / Fred Taylor

>McGraw-Hill

>

>Still in print I think.

Neil.....not according to Barnes and Noble. Powells used books
has one 3rd edition copy for sale at \$70.00

72 and thanks for the info

Jim, K8IQY

Date: Wed, 20 Sep 2000 18:50:33 -0500

From: "John Burnley" <burnleyia@home.com>

To: <qrp-1@lehigh.edu>, <IaQRP-L@divis17.ped-gen.uiowa.edu>

Subject: [79978] Third leg of Milliwatt Triple Crown Awards

Message-ID: <007e01c0235d\$90e79280\$1b790818@c149552-a.west1.ia.home.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi gang. As promised here are the prizes awarded in the
third leg of the Milliwatt Triple Crown. The third leg was
sponsored by the Iowa QRP Club.

1st N4ROA - 100 QSL's donated by Charlie Hansen N0TT

1 copy of the 'Joy Of QRP' donated by
Adrian Weiss (W0RSP)

1 copy of the 'History Of QRP' donated by
Adrian Weiss (W0RSP)

2nd NF0R - 1 copy of the book 'QRP Classics' (N0S)

1 VE3DNL Marker Generator

3rd NQ5RP - 1 copy of the 'Elmer 101' issue of QRPP
1 copy of the '2N2/40' issue of QRPP

4th KC80C0 - 1 copy of 'QRP Classics' (NOS)
1 FB 40 transmitter kit

Again our thanks to those who braved the dismal conditions to
prove that milliwatt QRP works!

72, John NU0V
Iowa QRP Club

Date: Wed, 20 Sep 2000 04:59:50 -0700
From: Randy Foltz <rfoltz@turbonet.com>
To: qrpl_post <qrp-l@lehigh.edu>
Subject: [79979] Running of the QRP Bulls
Message-ID: <39C8A6B6.74488D51@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

QRP ARCI is pleased to announce a "mini contest" coincident
with the ARRL CW
Sweepstakes. It is called the "Running of the QRP Bulls".
The goals of the
contest are to:

1. Encourage more participation in the QRP category of the
CW SS - November 4/5,
2000. We are trying to see more QRP entries than B category
(high power). This
is not at all impossible - there were 203 B category entries
last year and 119 Q
category entries. Everyone who gets on to make even one
contact should submit a
log to ARRL.
2. To provide more opportunity to do WAS QRP and 2x QRP. To
do this, we need
more QRP category entrants calling CQ.
3. Encourage more QRP stations to "borrow" a contest-type

station for the weekend. There are many phone ops who would gladly "loan" their station to a QRP'er for the weekend. We want to encourage anyone who has a "big" antenna system to definitely get on during the weekend. This will give more folks opportunity to work 2x QRP.

4. Encourage QRP stations to operate longer during the weekend. We have a plan for this.

Here it is:

Much like the BumbleBee Sprint, we would like to identify what we call the QRP Bulls. Now you don't have to be a "big antenna" type station to be a Bull. You only have to activate your ARRL section and plan to operate a minimum of 15 hours during the contest. This is what makes you a Bull - willing to operate for an extended period. We will keep a list of all Bulls by section and our goal is to activate at least one Bull in each section. All those who are not Bulls will be Matadors! If you can only operate for a short period of time, enter the Matador category. Get on and make at least one contact during the weekend and, here's the requirement to enter either category, you must have sent in your entry to ARRL!

Prizes: QRP ARCI will provide a plaque to the top Bull, based on number of QRP to QRP contacts you make. Note: to make QRP contacts as a Bull, you will need to call CQ! We will also provide a plaque to each Matador, based on working the most Bulls during the contest. An ARRL Handbook will also be given to each winner!

If you would like to be a Bull, send your call, name, and ARRL section to Randy Foltz, rfoltz@turbonet.com by November 1. Randy will publish on a web page,

a full list of Bulls so we can see which ARRL sections need to be filled. After the contest, FIRST, send in your contest entry to ARRL and then send Randy your report and soapbox. There will be an online page to do this but you may also send via snail mail.

Remember Bulls - your score is number of Q stations worked.
Matadors - the number of Bulls worked.

So sign up now to be in the Running of the QRP Bulls.

By the way, why not recruit some of your friends (who you might not think of as a regular QRPer) who have a large contest station to become a Bull and be a part of this fun contest.

73,
Randy, K7TQ
QRP ARCI Contest Manager

Date: Wed, 20 Sep 2000 21:03:14 EDT
From: SKIPNC90@aol.com
To: w5yr@att.net, qrp-1@lehigh.edu
Subject: [79980] Re: Update Joy In Yankee Country...
Message-ID: <bf.7128e58.26fab852@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 9/19/00 11:57:07 PM Central Daylight Time, w5yr@att.net writes:

<< OK, so now the 3905 century club net meets on 3904 (!) as well as 7233.5 . . .

Think I got it!

72/73, George W5YR
>>

After 0100 or 0130 they switch to 7237.5 because of BC QRM. I have worked the net on all three of the frequencies.

73, Skip Davis NC90

Date: Thu, 21 Sep 2000 01:38:28 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <jokortge@prodigy.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [79981] Re: What's the best book on filter design?
Message-ID: <003c01c02364\$45dbac20\$8dfa070a@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

At 70 to 225 bucks, this book better cook dinner, clean the house, do windows and tuck me in at night. I'll settle down with a Playboy, thank you.
de Steve, W8SFF

Date: Wed, 20 Sep 2000 19:03:35 -0700
From: neil <neil@aade.com>
To: ap036@detroit.freenet.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79982] Re: What's the best book on filter design?
Message-ID: <39C96C77.2B9046E2@aade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey, they asked for the BEST, not the cheapest.

--
Neil
<http://www.aade.com>
<mailto:neil@aade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Wed, 20 Sep 2000 22:08:50 -0400
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [79983] PSK 31 ON 80 METERS
Message-ID: <20000920.220958.-242399.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

HOKAY FOLK

i GOT QRP ON EIGHTY METERS TONIGHT PSK3580
WHO WAS IT I WAS SUPPOSED TO MEET?
i CHATTED WITH GILLES ...VE2FT ON MY FORTY METR DIPOLE...
GOT GOOD REPORTS BOTH WAYS
SO WHO WAZZ IT WANTED ME ON 80 PSK....
A BIT LAME ON THE MEMEORY
BUT A GOOD OLE BOY
BY ANY STANDARD
KE1LA JOEL
DISPALCED CAJUN
SUFFERING IN MAINE

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 20 Sep 2000 19:13:04 -0700 (PDT)
From: Jeremy Cooper <jeremy@baymoo.org>
To: qrp-1@lehigh.edu
Subject: [79984] Source for Zverev Filter Book
Message-ID: <Pine.BSF.4.21.0009201906300.17254-100000@simon.baymoo.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been following the discussion about the Zverev Filter 'Bible'

Handbook of FILTER SYNTHESIS
Anatol I. Zverev
John Wiley & Sons

Since it is out of print, I thought I'd check it out on a new site I discovered today, and that everyone on this list might find useful. (Anyone who reads 'Slashdot' may have seen the link today).

The site, ABEBooks.com, is a cooperative database of independent out-of-print booksellers all over the world. I found the book (and 16 others by Zverev) on their site at

<http://www.abebooks.com/>

I'm sure they're bound to have many other classic but out-of-print titles their too.

(Incidentally, one bookseller on the site is offering the Filter handbook for \$110, far below Amazon's price).

-J

Date: Wed, 20 Sep 2000 22:27:00 EDT
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: kenharthun@hotmail.com
Cc: qrp-1@Lehigh.EDU
Subject: [79985] Re: Ramsey 40m receiver kit
Message-ID: <LAW2-F122sxVY60mJWE0000049b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>

>For a simple DC receiver, the little rig works great and I'm happy with it.
>It does need a BIG knob or vernier tuning dial, as tuning is rather
>sensitive. I know there is lots of room for improvement, and I'll be
>experimenting and sharing anything useful I come up with.

>

I too have in my collection a Ramsey 40 m receiver and have not seen many references to it or mods. I have done some to mine, like removing the pots it came with and mounting others to the box I have it in, differently spaced than the originals. I also added a second tuning pot, in series with the original one and of lesser resistance, as a fine tuning control. The original pot is used as a band set.

I also have the matching transmitter which I have heavily modified, adding spotting, a 5 watt final (based on the SMK-1 5 w mod), and a vfo (based on the "CB Slider").

The pair is good to experiment with (big circuit boards) and work reasonably well but for the same money you can buy a transceiver kit with superhet receiver that will probably work better if just operating is the primary rig selection criteria.

73 - Mike WA8BXN

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Share information about yourself, create your own public profile at <http://profiles.msn.com>.

Date: Wed, 20 Sep 2000 19:40:05 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: neil@aaade.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79986] Re: What's the best book on filter design?
Message-ID: <39C97505.A8782EFC@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I guess we're getting a bit off topic, but I must claim bragging rights...
I have both. They are my top two choices as well.

Regards, Thomas - AC7A (Tucson)

neil wrote:

> The very best book on filter design is:
>
> Handbook of FILTER SYNTHESIS
> Anatol I. Zverev
> John Wiley & Sons
>
> but hard to find.
>
> Next best is
>
> ELECTRONIC FILTER DESIGN HANDBOOK
> Arthur B. Williams / Fred Taylor
> McGraw-Hill
>
> Still in print I think.

>
> --
> Neil
>

Date: Wed, 20 Sep 2000 22:33:37 -0500
From: Bill Stietenroth <k5zty@juno.com>
To: qrp-l@lehigh.edu
Subject: [79987] re: Resonance (?)
Message-ID: <20000920.223422.-3896763.1.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Has anyone tried to make a dip oscillator out of an antenna analyzer such as the MFJ 259 or the Autek RF1? I think MFJ sells a coil to adapt their unit to a dip meter but I have heard from somewhere that it doesn't work very well. Any one on this list have any info?

Bill, K5ZTY
Houston ,TX

Date: Thu, 21 Sep 2000 05:43:42 GMT
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-l@lehigh.edu
Subject: [79988] GDO Frequency Readout = SST, DSW40 etc.
Message-ID: <200009210353.WAA00053@sunburst.usd.edu>

Hi gang:

I've found that the simplest approach to providing an accurate readout when I dip something is to use one of my many mini-rigs. Most will "listen up" with a 9v battery. Until the GDO comes within the xcvr's freq range, you just keep adjusting in the direction that will lead to the desired frequency.

Likewise, making high-up RX bridge meas. of in-place ant's uses the same approach -- haul the RX bridge and xcvr up on the roof or in the tree and do tgeh measurements.

72, Ade

Date: Thu, 21 Sep 2000 00:00:52 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "NJQRP" <NJQRP@njqrp.org>
Subject: [79989] Very cool QRPp issue!
Message-ID: <012c01c02380\$b48d0260\$0100000a@gheron>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I had a chance to read through my newly-arrived QRPp issue from the NorCal club ... wow, this is a very nice issue indeed! Absolutely packed with lots of real useful information, I didn't want to put it down once started.

Now, some may think that I'm a bit prejudiced regarding reviews of the QRP publications we have these days, and I probably am, but I wait in eager anticipation just like each of you and literally devour each page several times over once I do get it in the mail. This QRPp is no exception.

The first article that caught my keen attention was the "St Louis Pocket Vertical", by Dave Gauding, NF0R. I had the distinct pleasure of beta testing this newest variant of the St. Louis Vertical antenna lineage at the NJQRP Field Day event a couple of months ago. Dave said "Sure, give it a shot and see how it works for you". Well, as it turned out, a couple of club members (N2CX and W2BVH) assembled it while I was setting up the station and I ended up using it on 40m for the *entire* outing, garnering 122 Q's throughout the weekend. Couldn't believe how nicely it worked sitting out there at a lake in central Jersey! Having Paul Harden's outstanding drawings in the article sure would've made assembly easier that day! (Where were you then Paul?! ;-)

The next article that I zoomed in on was "NC40A on Steroids", by Gary Surrency AB7MY. Now sure, I have an NC40A but I haven't used it in some time ... BUT, I have a secret plan (that's not likely too much of a secret now) in that I am literally dissecting Gary's tips, analyses, and approaches to boosting the power and receive sensitivity of this rig because the SAME techniques can be applied in many cases to my SMK-1 ... and THAT's the puppy that will be front and center at Pacificon during the SMK-1 Contest. I'm going to have one souped up little SMK-1, thanks to the guidance I gleaned from Gary's article. I take it to work each day to study and get ideas for my evening adventures on the bench.

The other article that really has me excited is the "Vacuum State Transmitter" piece by Floyd Carter, K6BSU. As my good friends in the NJQRP (Joe N2CX, Clark WA2UNN, Tony W2GUM, and others) know, I have a small collection of beautifully crafted wooden boxes that would rival Jim N5IB's

handiwork. Well, I've been collecting 1 and 2 tube circuits for some time in hopes of finding the ideal one to build into these wooden treasures ... I found the circuit in Floyd's "Two-ber"! A couple of little ol' 6AU6 glowing tubes will look outstanding on some dark, cold, snowy evening bound our way here in Maryland this winter as I beat the tune of CQ through them. Can't wait!

Thanks again to Paul for absolutely stunning sketches in the Hints and Kinks section. Here's another little secret that I have in my homebrewing arsenal down here in the shack. For EVERY issue of QRPP that's ever featured such a Hints and Kinks section from NA5N (and I think that's almost every one of the 6 or 7 years worth!), I have photocopied the Hints and Kinks pages and assembled them into a little personal notebook. Talk about a fabulous and handy reference of ideas and tips from the homebrew master himself, or what! Of course I can't copy that notebook around, even to my local buddies because of copyright protection ... but I wouldn't let it out of my sight for that long even if I could!

And finally to Doug KI6DS ... what a nice job in editing the whole she-bang! This issue of QRPP is getting dog-eared already from my use of it and I'll be needing to get one of those annual collection of reprints that you put together for us. As soon as I buy mine (and again this will be the 6th annual collection I think), my four individual issues will be scattered to the wind ... I know of 2 Boy Scouts who have been drooling over every piece of reference material I have here in the shack over the last two months (the Kitchen Regen project), and I've initiated contact with an EE professor at a local university (I'm trying to hire some grads for the day job!) who said he'd love to get the last 2 QRPP issues for his students' labs. Fun stuff!

Enough already ... if you haven't renewed your QRPP subscription, or (worse) if you haven't signed up for it, you'll be missing out on a lot of very relevant information on homebrewing and rig mods and hints and kinks and keyers and antennas ... and now even Operating News with Richard Fisher (what an interesting read that now-regular column is!) Okay, I'm psyched for another month or so until SPRAT comes, or until QRP Homebrewer comes, or Pacificon, or Atlanticon, or ...

Don't you just *love* this hobby?! :-)

72, George N2APB
n2apb@amsat.org

Date: Wed, 20 Sep 2000 21:32:22 -0700

From: Jeff Grudin <grudin@vdbbs.com>
To: qrp-l@lehigh.edu
Subject: [79990] SLC Orders
Message-ID: <39C98F56.736BE75@vdbbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,

I have sent private emails to everyone that I have orders from. If you sent an order and did not receive an email from me, please let me know. I hope to order the parts shortly.

--

73 de AC6KW <mailto:grudin@vdbbs.com>
Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Wed, 20 Sep 2000 21:41:38 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <w2bvvh@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79991] Re: What's the best book on filter design?
Message-ID: <002301c02386\$3b3b3660\$f9414cd1@JohnMoriarity>

> There's fair agreement that the best book on C programming
> is by Kernighan & Richie, and the best book on elementary
> calculus is by GB Thomas, etc.; so, is there also a "best
> book" (still in print) on filter design (meaning passive
> filters)?

You'll probably get a lot of opinions on this, but my favorite is "Handbook of Filter Synthesis" by Zverev. This is an engineering level text. Also, very expensive.

"HF Filter Design and Computer Simulation" by Randy Rhea is also very useful.

If you can find a copy, "Simplified Modern Filter Design" by Geffe, is an excellent book (out of print) that can be easily used to design Butterworth and Elliptic function filters. It also addresses real-world problems. This book will handle 80 percent of your filter design requirements and I would make it my first choice if you are not familiar with filter design.

73,

John. K6QQ

Alturas, CA, at the corner of 299 & 395.

Date: Wed, 20 Sep 2000 22:16:15 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <ae4ic@nr.infi.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79992] Re: Resonance (?) and GDO's
Message-ID: <007101c0238b\$119cf820\$f9414cd1@JohnMoriarity>

> How about a discussion on this subject? There must be some subtleties
> that I'm overlooking.

First, calculate approximately where the resonance should be.
Then use your grid-dip meter. Couple reasonably closely until
you find a dip, and then move away, re-dipping as you go.
When you get as far away as you can go and still find a dip,
read the meter.

Of course, the grid-dip meter may not be very well calibrated.
You can listen for it in a well calibrated receiver, or loosely
couple a frequency counter to it, if you have one.

Most recently graduated engineers have never seen one, but
I used one (my own) right up to my retirement three years ago.
It's a dandy instrument, but be careful coupling it tightly into a
circuit that has small signal transistors connected to it.
Some GDO's have enough output to fry a sensitive transistor.

72,

John, K6QQ

Date: Wed, 20 Sep 2000 23:08:33 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: njqrp@njqrp.org, qrp-l@Lehigh.EDU
Subject: [79993] Re: [NJQRP] Very cool QRPP issue!
Message-ID: <LAW2-F265i6nx8dyDd300000061e@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

George, thank you for the kind words. It means a lot coming from you. QRPP is what it is because of the outstanding work of the authors. They deserve all the credit, along with Paul for his absolutely wonderful illustrations. He is truly the "Norman Rockwell" of QRPP. I still think he should publish a book of all of his qrp drawings. 72, Doug

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Share information about yourself, create your own public profile at
<http://profiles.msn.com>.

Date: Thu, 21 Sep 2000 07:22:59 GMT
From: "Leon Heller" <leon_heller@hotmail.com>
To: jeremy@baymoo.org, qrp-1@Lehigh.EDU
Subject: [79994] Re: Source for Zverev Filter Book
Message-ID: <F263yDc41W2ufyW0xbC0000065c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>I have been following the discussion about the Zverev Filter 'Bible'
>
>Handbook of FILTER SYNTHESIS
>Anatol I. Zverev
>John Wiley & Sons

Apparently, this is the most frequently stolen technical book from libraries. Where I used to work, we should have had two copies, but they were both missing. 8-(

73, Leon

--

Leon Heller, G1HSM
Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221
InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,
NN12 6AD, United Kingdom.
Email:leon_heller@hotmail.com
Web page: <http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Share information about yourself, create your own public profile at
<http://profiles.msn.com>.

Date: Thu, 21 Sep 2000 06:30:13 -0400
From: neil tanner <ntan@crosslink.net>
To: qrp-1@Lehigh.EDU
Subject: [79995] re: resonance
Message-ID: <39C9E335.712CED81@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings all-

This is an interesting subject, but I am a little confused. Joe mentions...

> The RF gen could be a simple one with uncalibrated levels or you could use an
> MFJ antenna analyzer or Autek RF Analyst as a signal source.

>

I thought you could do the measurements and learn what you needed with just the MFJ AA or the Autek RF A? Is it because you are only getting ballpark figures with these tools?

Thanks and 72-----Neil wa4chq

Date: Thu, 21 Sep 2000 06:45:20 -0400
From: "Robert Roach" <ke4qok@worldnet.att.net>
To: <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [79996] Re: OT:? Tie Wrap Colors
Message-ID: <00ba01c023b9\$935de4e0\$fba26520@ke4qok>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am not an expert on plastics but I know that one of the things that is

added to some plastics to gain UV resistance is lampblack. This would seem to fit with the situation you describe. You should be able to go to a the manufacturer's website and see the spec for future purchases. Of course that doesn't help much with the 75% that just come out of the big pile in the bottom of the toolbox.

Bob
KE4QOK

----- Original Message -----
Subject: OT:? Tie Wrap Colors

> Apparently there is a big difference in tie wraps which goes beyond just the
> color of white vs. black.
>
> I used a couple of the white ones to snug down my coax against the antenna
> mast. That was oh maybe three or four months ago. Yesterday I had the
> antenna lowered and found both tie wraps were brittle and one was broken.
>
> I used some black ones to secure coax to a tower leg. That was probably
> three or four years ago, at least. They are still supple and secure.
>
> So, what's the difference?
>
>
> Dan W. Dooley WB5TKA Bedford, Texas EM12ku

Date: Thu, 21 Sep 2000 07:46:37 US/Eastern
From: n2cx@voicenet.com
To: ntan@crosslink.net
Cc: qrp-1@lehigh.edu
Subject: [79997] re: reonance
Message-ID: <200009211146.HAA70228@nss4.cc.lehigh.edu>

Neil,

I gues I was not specific enough but I was addressing the original question dealing with measuring traps. Of oocurs eyou can use either the MFJ or Autek units with individual Ls and Cs by connecting them in a series circuit. However there are traps which cannot be split up this way (ones made of coax cable come to mind). These configurations are **only** a parallel tuned circuit so that you have to deal with them as such. The

method I outlined is intended to work with them.

72/73,

Joe E., N2CX

Greetings all-

This is an interesting subject, but I am a little confused. Joe mentions...

> The RF gen could be a simple one with uncalibrated levels or you could use an
> MFJ antenna analyzer or Autek RF Analyst as a signal source.

>

I thought you could do the measurements and learn what you needed with just the MFJ AA or the Autek RF A? Is it because you are only getting ballpark figures with these tools?

Thanks and 72-----Neil

wa4chq

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Tue, 19 Sep 2000 21:14:44 +0200
From: "Hans Kaper" <hanskap@kaper-1.tmfweb.nl>
To: <qrp-1@lehigh.edu>
Subject: [79998] qrp-1 number
Message-ID: <000201c023cc\$2ca3b280\$3207643e@tm981195>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

Do I have a qrp-1 number and if so where do I find it?
(I've only subscribed to the list; I receive digests for practical reasons)

Hans Kaper PA3HGM

Date: Thu, 21 Sep 2000 08:12:31 -0500
From: "Marty Purselley" <brewer@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79999] HW-9 and PSA-9 power supply for sale
Message-ID: <005d01c023cd\$aba72660\$1e4ed7d8@mlp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For sale: HW-9 and PSA-9 power supply. Both excellent condition. HW-9 has
WARC bands. 5 watts out with slightly lower output on 10 and 12 meters.
Paint is excellent. I do not have the manuals. \$280.00 and I ship.

73s,
Marty AA5UN

Date: Thu, 21 Sep 2000 09:17:56 -0400
From: "Juan Ferrari" <puntrad@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [80000] Re:GDO
Message-ID: <00d301c023ce\$5b44bb00\$5e35f2d8@juan>

Hi All,
I found an interesting circuit at <http://www.qsl.net/g3pto/gdo.html>.

73,

JUAN

Date: Thu, 21 Sep 2000 07:25:27 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>, <n2apb@erols.com>
Subject: [80001] Re: Very cool QRPp issue!
Message-ID: <006801c023cf\$68deacc0\$d208710f@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I agree George! I got reading about SMT in the latest issue and said it's time to drag out the SMK-1 now that cooler wx has me inside more. So I'm sitting here w/hot iron and maglight pretending I'm a brain surgeon! (he he) But soon I'll be banging up the airwaves with some mega milliwatts ...yeserieee Thanks to QRPP. Also, I've been looking for a way to make some coil stock ...and QRPP to the rescue with their SLPV acticle. Now I can rebuild my super lightweight bug catcher using an old hamstick and be ready to snag and not miss any of those FOXes that seem to show up when I'm in route from work. Great issue!! - TU to all involved!!! Steve/n0tu

-----Original Message-----

From: George Heron N2APB <n2apb@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, September 20, 2000 10:22 PM
Subject: Very cool QRPP issue!

>I had a chance to read through my newly-arrived QRPP issue from the NorCal
>club ... wow, this is a very nice issue indeed! Absolutely packed with
lots
>or real useful information, I didn't want to put it down once started.

Date: Thu, 21 Sep 2000 07:08:11 -0700
From: Russ Carpenter <russ@natworld.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [80002] Results of the SEPTEMBER SPARTAN SPRINT
Message-ID: <B5EF6455.5672%russ@natworld.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The results for the September Spartan Sprint were compiled a bit later than usual. That's because ARS' alleged Contest Manager was in Bhutan for most of the month. He's back in the saddle now.

September featured the always lively overlap between the Spartan Sprint and the Michigan QRP Club Labor Day Sprint. It was a great opportunity to meet some new people and run up impressive scores.

Each contact received one point. If you didn't tell us the weight of your station, or if it weighed more than a Boeing 747, we assigned a weight of 30 pounds. The Soapbox will be published in the October issue of The ARS Sojourner, which will go live on October 5.

THE SKINNY DIVISION (results sorted in order of points per pound)

Call	Name	80m	40m	20m	15m	10m	Total Qs	Wt.	Qs/ Pound
AA4XX	Paul	0	0	11	0	0	11	0.1	110.0
W3TS	Mike	0	16	20	0	0	36	0.5	72.0
N7RVD	Brian	0	0	36	0	0	36	1.6	22.5
K2UD	Howard	0	29	0	0	0	29	1.5	19.3
AL7FS/0	Jim	0	5	22	0	0	27	2.0	13.5
AC3A	Scott	0	16	0	0	0	16	1.3	12.8
NW7DX	Ben	0	4	48	0	0	52	4.1	12.7
N7SR	Steve	0	0	30	0	0	30	3.1	9.7
AE6N	Jim	0	0	27	0	0	27	3.0	9.0
AJ4Y	Paul	0	3	46	0	0	49	6.0	8.2
N7CEE	Bruce	0	0	20	0	0	20	2.6	7.7
KD7S	Bill	0	4	15	0	0	19	2.5	7.6
W1PID	Jim	0	16	6	0	0	22	2.9	7.6
K7TQ	Randy	0	8	0	0	0	8	1.4	5.7
VE3SMA	Steve	0	0	16	0	0	16	3.0	5.3
AA8IV	Rich	0	0	4	0	0	4	1.0	4.0
AA8PJ	Jeff	11	0	0	0	0	11	2.8	3.9
N5IW	Dave	0	5	58	7	0	70	18.0	3.9
KB9LCK	Chris	0	6	8	0	0	14	4.0	3.5
AA8WQ	Paul	0	25	0	0	0	25	9.0	2.8
K07X	Alan	0	13	64	1	0	78	30.0	2.6
KA8LLE	Ben	1	10	8	0	0	19	9.0	2.1
AB8DF	Ed	0	0	4	0	0	4	2.0	2.0
AF5Z	Bob	0	22	24	1	0	47	30.0	1.6
W0UFO	Mert	0	7	35	0	0	42	30.0	1.4
KH6B	Dean	0	0	5	1	0	6	4.5	1.3
WD9IFF	Woody	0	0	15	0	0	15	12.0	1.3
N9QIL	Ken	0	5	2	0	0	7	6.1	1.1
WZ7W	Jim	1	2	3	0	0	6	5.5	1.1
WA4DOU	Roy	0	0	24	1	0	25	30.0	0.8
KB1ENS	John	0	0	21	0	0	21	30.0	0.7
N7AC	Tom	0	5	12	3	0	20	30.0	0.7
AC4WC	John	3	12	4	1	0	20	30.0	0.7
W4NJK	Charlie	0	1	16	0	0	17	30.0	0.6
AL7OK	John	0	0	9	1	0	10	18.0	0.6
K6PZB	John	0	8	5	3	0	16	30.0	0.5
K0CO	Jack	0	0	16	0	0	16	30.0	0.5
W0CH	David	0	0	14	0	0	14	30.0	0.5
VE3XT	Bill	0	10	0	0	0	10	30.0	0.3
W9FNB	Gary	0	6	4	0	0	10	30.0	0.3
WF6D	Bill	0	3	0	0	0	3	30.0	0.1

THE TUBBY DIVISION (results sorted in order of points)

Call	Name	80m	40m	20m	15m	10m	Total Qs
K07X	Alan	0	13	64	1	0	78
N5IW	Dave	0	5	58	7	0	70
NW7DX	Ben	0	4	48	0	0	52
AJ4Y	Paul	0	3	46	0	0	49
AF5Z	Bob	0	22	24	1	0	47
W0UFO	Mert	0	7	35	0	0	42
N7RVD	Brian	0	0	36	0	0	36
W3TS	Mike	0	16	20	0	0	36
N7SR	Steve	0	0	30	0	0	30
K2UD	Howard	0	29	0	0	0	29
AE6N	Jim	0	0	27	0	0	27
AL7FS/0	Jim	0	5	22	0	0	27
AA8WQ	Paul	0	25	0	0	0	25
WA4DOU	Roy	0	0	24	1	0	25
W1PID	Jim	0	16	6	0	0	22
KB1ENS	John	0	0	21	0	0	21
N7AC	Tom	0	5	12	3	0	20
N7CEE	Bruce	0	0	20	0	0	20
AC4WC	John	3	12	4	1	0	20
KA8LLE	Ben	1	10	8	0	0	19
KD7S	Bill	0	4	15	0	0	19
W4NJK	Charlie	0	1	16	0	0	17
AC3A	Scott	0	16	0	0	0	16
K6PZB	John	0	8	5	3	0	16
K0CO	Jack	0	0	16	0	0	16
VE3SMA	Steve	0	0	16	0	0	16
WD9IFF	Woody	0	0	15	0	0	15
W0CH	David	0	0	14	0	0	14
KB9LCK	Chris	0	6	8	0	0	14
AA4XX	Paul	0	0	11	0	0	11
AA8PJ	Jeff	11	0	0	0	0	11
AL7OK	John	0	0	9	1	0	10
VE3XT	Bill	0	10	0	0	0	10
W9FNB	Gary	0	6	4	0	0	10
K7TQ	Randy	0	8	0	0	0	8
N9QIL	Ken	0	5	2	0	0	7
WZ7W	Jim	1	2	3	0	0	6
KH6B	Dean	0	0	5	1	0	6
AA8IV	Rich	0	0	4	0	0	4
AB8DF	Ed	0	0	4	0	0	4
WF6D	Bill	0	3	0	0	0	3

Thanks for your support of The Adventure Radio Society!

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 21 Sep 2000 11:01:38 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [80003] RE: Resonance (?) and GDO's
Message-ID: <95CB658F8515D211B84B00805FA7286603324346@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Hi,

The new solid state rather than hollow state version should have a name change i.e.

CDO Collector Dip Osc.
SDO Source Dip Osc
DDO Drain Dip Osc. [Could be a Dirty Dog Osc also 8-)]

No matter what you call em, you can't beat em. A very universal "can not do without" tool!!

Jerry
W3CDE

-----Original Message-----
From: John Moriarity [mailto:k6qq@hdo.net]
Sent: Thursday, September 21, 2000 1:16 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Resonance (?) and GDO's

> How about a discussion on this subject? There must be some subtleties
> that I'm overlooking.

First, calculate approximately where the resonance should be.
Then use your grid-dip meter. Couple reasonably closely until
you find a dip, and then move away, re-dipping as you go.
When you get as far away as you can go and still find a dip,
read the meter.

Of course, the grid-dip meter may not be very well calibrated. You can listed for it in a well calibrated receiver, or loosely couple a frequency counter to it, if you have one.

Most recently graduated engineers have never seen one, but I used one (my own) right up to my retirement three years ago. It's a dandy instrument, but be careful coupling it tightly into a circuit that has small signal transistors connected to it. Some GDO's have enough output to fry a sensitive transistor.

72,

John, K6QQ

Date: Thu, 21 Sep 2000 11:04:38 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [80004] RE: Resonance (?)
Message-ID: <95CB658F8515D211B84B00805FA7286603324347@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

Bill,

There was an excellent article in QST a couple of years ago on things that you can do with the MIFF.
I think about 2 or 3 years ago.
Check the yearly index.

Jerry
W3CDE

-----Original Message-----
From: Bill Stietenroth [mailto:k5zty@juno.com]
Sent: Wednesday, September 20, 2000 11:34 PM
To: Low Power Amateur Radio Discussion
Subject: re: Resonance (?)

Has anyone tried to make a dip oscillator out of an antenna analyzer such as the MFJ 259 or the Autek RF1? I think MFJ sells a coil to adapt their unit to a dip meter but I have heard from somewhere that it doesn't

work very well. Any one on this list have any info?

Bill, K5ZTY
Houston ,TX

Date: Thu, 21 Sep 2000 11:25:47 EDT
From: WB9MII@aol.com
To: qrp-1@lehigh.edu
Subject: [80005] WTB: "old style" Bannana Plugs.
Message-ID: <20.bb0e3b3.26fb827b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Howdy folks,
Experimenting with another antenna idea (never stops around here)...I'm not too happy with the bannana plugs from R/Shack..too tiny. Does anyone have 2 "old type" bannana plugs in ther junkbox ? I'd be happy to pay a fair price and postage...many thanks

72
Greg WB9MII
QRP ARCI 9719
FISTS 3347

Date: 21 Sep 00 10:37:11 EST
From: M Goins <mgoins@usa.net>
To: qrp-1@lehigh.edu
Subject: [80006] WTB - dual banana plugs
Message-ID: <20000921153711.2133.qmail@aw161.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Greg's post reminded me that I need some dual banana plugs. Using the MFJ= power strip to feed all of the 12V stuff off of and really shoud use some= dual banana plugs to neaten things up. Anyone have 5 or six in the junk box th= at they sell reasonable?

thanks.

mike
wb5yjx
K2#621

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Thu, 21 Sep 2000 12:30:27 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, Ten Tec Relector
<TenTec@contesting.com>
Subject: [80007] Price for Ten-Tec Triton 544/252G P/S?
Message-ID: <200009211230_MC2-B42C-60A1@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Can anyone help with some prices? I have a Ten-Tec Triton 544 (digital display) transceiver with the matching Ten-Tec 252G power supply and ammeter. Appearance of everything is at least 9 on a scale of ten. =

Includes original Ten-Tec documentation.
This rig includes the WARC bands and goes from QRP to QRO levels, set by =
a
front panel control.

What would be a fair market price for this setup? I see that Ten-Tec has=
an *analog* Triton (540) for \$325.00 without the power supply. Thanks in=
advance for any assistance you might offer.

72/73,
--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Thu, 21 Sep 2000 12:47:40 EDT
From: GElam30092@aol.com
To: qrp-l@lehigh.edu
Subject: [80008] Specialized new list announcement.....
Message-ID: <85.ed1de5.26fb95ac@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Not exactly QRP-related so feel free to exercise your delete button.

Here's a new list that combines Land Rovers and ham radio if you're interested. At least one other person from the QRP crowd found it so I hope no one minds too much if I troll for more folks.

Yeah.... Land Rovers, wine, croissants, etc? Not really..... there's more interest in the old Land Rovers series vehicles than the newer ones and those that tinker with them have a lot in common with ham radio operators. Ham radios are a natural fit for off-road purposes and expeditions too.

Anyway, thanks for the bandwidth. Info below.....
Cheers,
Gerry, K7LR0
PHX AZ

This list is primarily for the discussion about HAM radio topics that are related to Land Rover usage and ownership.

There are many forums that are purely HAM or purely Land Rover so lrham is intended to be a niche forum with the emphasis on HAM stuff.

Things like installing radios, antennas, and other unique issues like mag mounts on aluminum Land Rovers. Also things like using them on trips/offroading. These are just suggestions and I trust we'll be able to politely evolve/resolve issues as they come up.

At some point, perhaps a database or listing of LRHAMs could be compiled with call sign, name, location and other appropriate info. (no need to dup other HAM directories)

Post message: lrham@egroups.com
Subscribe: lrham-subscribe@egroups.com
Unsubscribe: lrham-unsubscribe@egroups.com
List owner: lrham-owner@egroups.com
URL to this page: <http://www.egroups.com/group/lrham>

Date: Thu, 21 Sep 2000 13:10:24 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [80009] Triton 544 = *NO* WARC bands
Message-ID: <200009211310_MC2-B42C-641A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

I mistakenly said the Ten-Tec Triton 544 has the WARC bands. NOT :-). W= as thinking of some other rig. Please forgive the bandwidth.

72/73,

--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Thu, 21 Sep 2000 13:27:02 -0400
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: qrp-l@lehigh.edu
Subject: [80010] Re: What's the best book on filter design?
Message-ID: <5.0.0.25.1.20000921132343.00a291a0@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

For those who might be interested!

>>The very best book on filter design is:

>>

>>Handbook of FILTER SYNTHESIS

>>Anatol I. Zverev

>>John Wiley & Sons

>>
>>but hard to find.
>>
>>Next best is
>>
>>ELECTRONIC FILTER DESIGN HANDBOOK
>>Arthur B. Williams / Fred Taylor
>>McGraw-Hill

Powells Used Books has two copies of the Williams book left, after
I bought the third copy this afternoon. Cost is \$70.00 plus
shipping, but a bargain as far as I am concerned.

72.....Jim, K8IQY

Date: Thu, 21 Sep 2000 10:42:03 -0700
From: neil <neil@aade.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [80011] Re: What's the best book on filter design?
Message-ID: <39CA486B.B67C47EB@aade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you don't want to pay \$225 for the Zverev
book
or \$70 for the Williams book,
you can buy my filter design program for \$25.

<http://www.aade.com/filter.htm>

It incorporates most of what is in the book
and you don't have to be a math wiz.

--

Neil
<http://www.aade.com>
<mailto:neil@aade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Thu, 21 Sep 2000 11:06:57 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Cc: <wa6ger@aol.com>
Subject: [80012] QRPacificon: Dan Tayloe, N7VE QRP Forum Speaker
Message-ID: <01c023f6\$bb2401c0\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Pacificon will be held in Concord, CA on Oct. 20, 21, & 22nd. Check the NorCal page www.fix.net/norcal/html for details. As always, no additional charge for any of the qrp events. NorCal is paying all of the expenses as a way of using up excess funds generated by QRPP and Club Projects. Note that there will not be a compendium this year. Several have asked, but the time and hassle from past years have convinced me not to do one this year.

I will be doing brief bios and summaries of all of the talks, so that you can decide which talks are the ones that you must attend. The first one is Dan Tayloe, and I think this talk just might cause some excitement in the QRP world. The rig that is the subject of Dan's talk will be the next full blown NorCal kit. It will be a complete kit including case, and will sell for less than \$100. The case will be a first for NorCal in that it will be painted and silkscreened. The kits will not be available at Pacificon, but we do hope to have a prototype that is on a pc board. Dan has the only one in existence now, and it was built "ugly" style.

Dan Tayloe graduated with a MSEE degree from Iowa State University in 1982. Since then he has been working for Motorola in the cellular telephony field first in RF hardware, and later in software. Dan currently holds 38 patents and is working as a systems engineer on next generation cellular switches at a Motorola facility in Chandler, Arizona. Dan has been a ham since 1973, and has been actively involved in QRP for the last seven years and with the Az ScQRPions QRP club since it started.

Mini-Stinger talk by Dan Tayloe, N7VE

This section will focus on the design of the mini-stinger 40m transceiver.

Highlights include:

- New low power, high performance, high sensitivity quadrature detector
- DC receiver design using phase shifting techniques to get single sided signal reception.
- Transmitter considerations using a wide range supply voltage.
- Low power transceiver design using a 3v switching regulator (under 7 ma at 12v)
- Low power, low loss, broadband transmit/receive diplexer.

Additional information on the Mini-Stinger transceiver:

The mini-stinger is a 40m all-in-one transceiver that has been specifically optimized to be trail friendly, but is also well suited for home use.

Specific features include an internal keyer, an antenna tuner, LED SWR bridge, a LED wattmeter, an internal six cell AA battery pack (batteries not included), an audio frequency announcer (AFA), RIT, a 10 turn tuning pot, a 50 KHz tuning range, and an adjustable power output. Only a keyer paddle and an antenna are required to get a complete station on the air.

Maximum output power depends on the voltage to the transceiver. The radio is designed to operate using either an internal six cell AA battery pack or off an external supply. The radio operates over a wide range of input voltages (5.5 to 16v) to accommodate field and mobile use as well as home station operation. Nominal maximum power is 3w at 12v, down to 1.5w at 8v and just under 1w at 6v. 5w output is possible at 16v. The output power can be reduced to under 100mW using the variable power control feature.

The built in LED power indicator has power detection thresholds of 0.5, 0.8, 1, 2.5 and 3 watts. A LED lights up on transmit when the output power is above the currently selected power threshold. The 1w (10v peak) and 0.8w (9v peak) thresholds are designed for field use where the operator can set the TX power to less than one watt (LED just goes out on the 1w setting), but during operation, can monitor the output using the 0.8w threshold. When the output power begins to sag below 0.8w, the operator can then re-adjust the output power to just below 1w again.

The receiver is extremely high performance. The receiver uses a direct conversion, single sided reception phasing design based around the Tayloe quadrature detector. Opposite sideband suppression is typically over 40 db down, with much of the response over 50 db down. Due to the unique properties of the detector, it has high sensitivity, sporting a 3 db MDS of 138 dbm (300 Hz bandwidth), has high signal level capabilities (TBD) better than that a diode mixer, and yet consumes very little power. The dual audio output uses the latest low voltage headphone driver IC (a LM4881 boomer) to provide high quality, low distortion audio.

Using a switching regulator, all transceiver functions except the PA run off of 3v. Despite the high signal level handling capability and excellent sensitivity, the receiver draws surprisingly little power, less than 7ma at 12v. Running at 9v on an internal set of alkaline batteries, battery life is almost 300 hours on receive.

Date: Thu, 21 Sep 2000 13:05:07 -0500

From: "George, W5YR" <w5yr@att.net>

To: neil@aade.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [80013] Re: What's the best book on filter design?

Message-ID: <39CA4DD3.7018BE73@att.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Excellent comment, Neil!

I spent two long semesters at MIT grad school plowing through Ernie Gillemmin's Advanced Network Analysis and Synthesis courses. Imagine my joy, now, at finding that with your \$25 program I can do as much or more than with all that "book-learnin'!" <:}

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

neil wrote:

>
> If you don't want to pay \$225 for the Zverev
> book
> or \$70 for the Williams book,
> you can buy my filter design program for \$25.

Date: Thu, 21 Sep 2000 14:15:36 -0400
From: "CDF" <res043pa@gte.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [80014] HF Station for sale \$350.00
Message-ID: <001501c023f7\$f18826a0\$daf3183f@eypwdog>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm tired of messing with the HF stuff so I'm going back to playing with the sats. My small HF station is up for sale.
It includes a T-T Argosy-II (digital readout) covers 80, 40, 30, 20, 15 & 10 meters U/LSB, CW. Has the 2.4 kHz 8 pole SSB and 500 Hz 8 pole CW filters installed and the dual position AF filter installed.
Comes with the model 225 power supply, Amplified hand mic, Ext. speaker and a Vectronics VEC-645 antenna tuner.
Also included is a Cliff Dweller II inside or out 80-10 meter Slinky type antenna and connecting cables.
Electrical condition: 100%. Works great.
5 to 50 watts out.
Cosmetic condition: Very Good to Excellent on the transceiver. Some

scratches on the PSU. PTO rebuilt about 1 year ago.
Comes with the manuals for radio, power supply, tuner and antenna.

Price: \$350.00 and you pay 20.00 for shipping as it will be shipped
in two boxes.

Reply by private e-mail, please.

73 Charlie WA8CUL

The Truth Is Out There. This Is Who WE Are

WA8CUL

QRP-L #1752

Charles D. Feigley Sr

SOC #394

1516 Toledo St.

TT Argosy II @ 5 W

Holiday, Florida

34690

EL88JN

Date: Thu, 21 Sep 2000 14:20:58 -0400

From: Ken Newman <N2CQ@citnet.com>

To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org

Subject: [80015] CONTEST: QRP Contesting - Sept 23/24

Message-ID: <3.0.6.32.20000921142058.008e8d80@mail.citnet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

September 23/24, 2000

~~~~~  
CQWW RTTY DX Contest ... QRP QRM

Sep 23 - 0000z to Sep 24 - 2400z

Rules: <http://www.arrl.org/contests/months/sep.html>
~~~~~

Scandinavian Activity Contest (SSB) ... QRP Category

Sep 23 - 1200z to Sep 24 - 1200z

Rules: <http://www.sk3bg.se/contest/sacnsc.htm>

~~~~~  
Alabama Heart of Dixie QSO Party (CW/SSB) ... QRP Category

Sept 24 - 1800z to Sept 25 - 0100z

Rules: <http://www.qsl.net/kt4xa/aqp/rules.html>

~~~~~  
AND LATER.....

~~~~~  
Texas QSO Party (All) ... QRP Category

Sep 30 - 1400z to Oct 01 - 0500z

Oct 01 - 1400z to Oct 01 - 2000z

Rules: <http://home.flash.net/~nars/tqpru12000.htm>

~~~~~  
72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

<http://www.NJQRP.org>

<http://www.N3EPA.org>

<http://www.qsl.net/cqrp/contests.html>

-----  
Date: Thu, 21 Sep 2000 15:08:26 -0400

From: "Ron Polityka" <wb3aal@fast.net>

To: ". NJ QRP-L" <njqrp@njqrp.org>, ". QRP-L" <qrp-l@Lehigh.EDU>

Subject: [80016] N3EPA QRP Afield Entry

Message-ID: <00ce01c023ff\$5a9c4fc0\$d70f5cd1@wb3aal>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

# 2000 QRP Afield Contest

Call used: N3EPA Eastern PA QRP Club

Location: French Creek State Park, PA

Category: Portable Mode: CW

Callsign of Operator: WB3AAL, Ron  
WB3GCK, Craig

Exchanged Information: N3EPA RST PA Ron or Craig

Hours of Operation: 7 Hours 30 Minutes

| Band   | QSOs | Points | SPC's |  |
|--------|------|--------|-------|--|
| 40     | 26   | 26     | 10    |  |
| 20     | 6    | 6      | 5     |  |
| Totals | 32   | 32     | 15    |  |

|          |   |     |   |             |
|----------|---|-----|---|-------------|
| QSO Pts. | x | SPC | = | Total Score |
| 32       | x | 15  | = | 480         |

Station:

40 Meters Small Wonder SW-40+ running 1.5 watts out.  
20 Meters NorCal 20 running 4 watts out

Antenna: "Killer Vertical" (June 99 QST) with the bottom  
of the antenna 25 feet off the ground.

Tuner: MFJ-971 Portable Tuner

Soap Box

"Bands could have been better but I guess you can't  
have everything. Live can't get any better while

camping in the Great Outdoors and Ham Radio.  
We had some external QRM from the Keystone  
National Drag Races. Over all the contest was a  
good trial run for the SW-40+ I just finished building"

72, Ron WB3AAL

=====

"Band conditions could have been better but QAF is  
always a good excuse for a fun fall camping trip."

73, Craig WB3GCK

72 & 73  
Good DXing

Ron Polityka  
de N3EPA  
n3epa@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv  
<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call  
N3EPA E-mail address: n3epa@fast.net

-----  
Date: Thu, 21 Sep 2000 15:30:32 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [80017] RE: GDO's  
Message-ID: <CKEGICNFDIMCEKEDCEHF0EGGECAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello again everybody... I just wanted to mention I collect GDOs, and have  
21 models from 16 mfgrs with a new one frm Alfa Electronics on the way, to  
make 22/17. You can see many of them on my website, page:  
<http://www.qsl.net/n4xy/gdos.html> . If you find that you have an obscure  
model that I don't have, I would of course, be very interested (looking for

a nice ELDICO.)

For the record, best GDO? The Measurements 59, with the military AN/PRM-10 a close second. The GDO I use most often? My Kenwood DM-10. Carries its coils in a removeable base section, and is quite accurate.

73 Ed Tanton <n4xy@arrl.net>

website: <http://www.qsl.net/n4xy/>

-----  
Date: Thu, 21 Sep 2000 15:44:40 -0400  
From: John Wagner <john@neknetwork.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [80018] need Pixie sked tonight  
Message-ID: <39CA6528.C1B73556@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I've resurrected my Pixie. It's rockbound at 3.6864 - I'd like to make a sked with someone in the NE US, or NE Canada for this evening, preferably after 9pm EST. Please email me and let me know if you can make it.

73,

John, KB1ENS  
Holland, VT

--

John Wagner - [john@neknetwork.com](mailto:john@neknetwork.com)  
Web page: <http://www.neknetwork.com>  
Personal Web page: <http://www.together.net/~jwag>

-----  
Date: Thu, 21 Sep 2000 16:13:13 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Cc: "SWL Reflector" <swl@qth.net>, "CW Reflector" <cw@qth.net>  
Subject: [80019] FW: A Whale of a Sunspot  
Message-ID: <CKEGICNFDIMCEKEDCEHFIEGIECAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



-----Original Message-----

From: SpaceWeather.com [mailto:express@space-science.com]

Sent: Thursday, September 21, 2000 3:10 PM

To: Space Science News

Subject: A Whale of a Sunspot

Space Weather News for Sept. 21, 2000

<http://www.spaceweather.com>

The biggest sunspot to come along in 9 years is now rotating toward the center of the Sun's disk. Visit <http://www.spaceweather.com> to find out how this huge spot compares to other sunspots in history and how to safely view the sunspot for yourself.

-----  
73 Ed Tanton <n4xy@arrl.net>

website: <http://www.qsl.net/n4xy/>

-----  
Date: Thu, 21 Sep 2000 14:16:56 -0600

From: "Bruce Kizerian" <kizerian@ced.utah.edu>

To: <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [80020] Re: QRPacificon: Dan Tayloe, N7VE QRP Forum Speaker  
Message-ID: <000b01c02408\$e445eca0\$de56d9d8@sarcos.com>

> The kits will not be available at Pacificon, but...

Hey Doug

When can I send in my order? I have done a bunch of reading, breadboarding and simulating since I first heard about the Tayloe Detector. No doubt the receiver you just described will astonish anyone who gives it a try. This is the rig to buy and build. I believe that Dan's genius plus NorCal's ability to produce great kits will make this your best effort yet.

I plan on ordering at least two kits--already have some ideas for mods. Bring it on. I'm ready! Now if I can just find some time to finish putting my basement lab/shack together...

Good Luck

Bruce kk7zz

-----  
Date: Thu, 21 Sep 2000 16:30:16 -0400  
From: "CDF" <res043pa@gte.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Cc: "Ten Tec" <tentec@contesting.com>  
Subject: [80021] RE HF rig for sale  
Message-ID: <002001c0240a\$c1abab60\$b86a1b3f@eywndog>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The radio has been spoken for.  
Thanks to all who replied  
73 Charlie

\*\*\*\*\*  
The Truth Is Out There. This Is Who WE Are  
\*\*\*\*\*  
WA8CUL QRP-L #1752  
Charles D. Feigley Sr SOC #394  
1516 Toledo St. TT Argosy II @ 5 W  
Holiday, Florida  
34690  
EL88JN

-----  
Date: Thu, 21 Sep 2000 16:03:24 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [80022] OT: Service manual for IFR-1000  
Message-ID: <200009212039.QAA08605@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

This is a long shot, but anyone have a service manual for a IFR-1000  
service monitor, which I can borrow (or rent) for a week or two?  
Factory wants something like \$90.00 for one...

The output frequency has gotten a bit unstable and am hoping its in

the PLL and not the master oscillator. (which I think would be a big mistake to take apart!) Starting to drive me nuts, especially when testing a QRP rig with a narrow filter! Usually, I can fix stuff without a schematic, but not this beastie..

Thanks..

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Thu, 21 Sep 2000 13:39:56 -0700  
From: "John Moriarity" <k6qq@hdo.net>  
To: <jokortge@prodigy.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [80023] Re: What's the best book on filter design?  
Message-ID: <006501c0240c\$1aee3480\$d4414cd1@JohnMoriarity>

> >>Next best is  
> >>  
> >>ELECTRONIC FILTER DESIGN HANDBOOK  
> >>Arthur B. Williams / Fred Taylor  
> >>McGraw-Hill  
>  
> Powells Used Books has two copies of the Williams book left, after  
> I bought the third copy this afternoon. Cost is \$70.00 plus  
> shipping, but a bargain as far as I am concerned.

Yes, I forgot this one (I don't have it). It is a very good book, including parts of both Zverev's and Geffe's books.

John, K6QQ

-----  
Date: Thu, 21 Sep 2000 18:57:53 -0400 (EDT)  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [80024] Re: Price for Ten-Tec Triton 544/252G P/S?  
Message-ID: <Pine.OSF.4.21.0009211855440.20236-100000@saturn4.acs.oakland.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 21 Sep 2000, Wilford D. Lindsey wrote:

> Can anyone help with some prices? I have a Ten-Tec Triton 544 (digital  
> display) transceiver with the matching Ten-Tec 252G power supply and

<snip>

> This rig includes the WARC bands and goes from QRP to QRO levels, set by a  
> front panel control.

The 544 was a five-band (80-10M) rig. If it has the WARC bands added as  
some modification it is more than likely to be worth less than an  
unmodified 544. See the virtual Ten\*Tec Museum for price info.

73! =paul= W8KC

Collector of Ten\*Tecs and other fine plastics.

Visit the Virtual Ten\*Tec Museum at:

<<http://www.acs.oakland.edu/~prvalko>>

-----  
End of QRP-L Digest 1951

\*\*\*\*\*